

CZECHOSLOVAKIA/Chemical Technology. Chemical  
Products and Their Applications.  
Medicinal Substances. Vitamins.  
Antibiotics.

H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20542

Author : Kral, Jaroslav; Precechtel, Milan;  
Sanda, Miroslav

Inst :

Title : The Production Inspection of Injection  
Solutions.

Orig Pub : Farmacia (Ceskosl.), 1957, 26, No 3, 71-76

Abstract : No abstract.

Card : 1/1

PRECEK, J.; HRAZDIRA, S.; CVRKAL, B.

The AD automatic lathe with a spindle of large turning length. p. 429.  
(STROJIRENSKA VYROBA, Vol. 4, No. 11, Nov 1956, Praha, Czechoslovakia)

S3: Monthly List of East European Accessions (EEL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

HUNGARY / Meadow Cultivation.

L

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29609.

Author : Prechen'i, I.

Inst : Not given.

Title : A Study of the Microclimate on the Szarito Puszta  
Pasture Land Near the City of Gedullo.  
(Izuchenije mikroklimata na pastbishche Saritc-  
pusta okolo g. Gedelie (Vengriya)).

Orig Pub: Bot. kozl., 1956, 46, No 3-4, 267-274.

Abstract: The results of research into the microclimates  
of four phytocoenosis of Brometum tectorum,  
Cynodon tetum, Mesobrometum and Festucetum sul-  
catae - Anthoxanthum odoratum).

Card 1/1

PRECHISTENSKIY, S.A.; PCHMLINTSEVA, G.M., red.; MAZEL', Ye.I., tekhn.red.

[Centrifugation of aerosols in a centrifugal rotating dust collector]  
TSentrifugirovanie aerozolei v TsRP (Tsentronezhnom rotatsionnom  
puleotdelitele). Moskva, Izd-vo glav.upr.po ispol'zovaniyu atomnoi  
energii pri Sovete Ministrov SSSR, 1960. 143 p. (MIRA 13:4)  
(Aerosols) (Centrifugation)

PHASE I BOOK EXPLOITATION

SOV/4113

Prechistenskiy, S.A.

Tsentrifugirovaniye aerozoley v TsRP (tsentrobezhnym rotatsionnym pyleotdelitele)  
(Centrifuging Aerosols in a Centrifugal Dust Separator) Moscow, Atomizdat,  
1960. 143 p. No. of copies printed not given.

Ed.: G.M. Pchelintseva; Tech. Ed.: Ye. I. Mazel'.

PURPOSE: This book is intended for engineers and technicians concerned with air purification.

COVERAGE: The book acquaints the reader with the theoretical principles underlying the operation of centrifugal dust separators and provides practical data for designers and researchers. Cross sectional diagrams of a number of dust separators are given including the "Roto-Clone" manufactured by the American Filter Company (1932). Equations used in investigating operating conditions and aerodynamic characteristics of dust-separating equipment are included. No personalities are mentioned. There are 28 references: 27 Soviet and 1 English.

Card 1/1

PRECHISTENSKIY, S.A.; PCHELINTSEVA, G.M., red.; VLASOVA, N.A., tekhn. red.

[Radioactive discharge into the atmosphere; planning and design of units for the decontamination of aerosol and gas rejections] Radioaktivnye vybrosy v atmosferu; proektirovanie ustanovok dlia ochistki vybrosov ot aerozolei i gazov. Moskva, Gos.izd-vo lit-ry v oblasti atomnoi nauki i tekhniki, 1961. 174 p. (MIRA 14:6)  
(Radioactive waste disposal)

PRECHT, Zbigniew; SKRZYPEK, Jan

Tumors of the jejunum and ileum. Polski przegl. chir. 32 no.5:  
433-440 My '60.

l. z III Kliniki Chirurgicznej Slaskiej Akademii Medycznej w  
Bytomiu; Kierownik: prof. dr. M. Trawinski.  
(ILEUM neopl.)  
(JEJUNUM neopl.)

PRECHT, Zbigniew

Clinical significance of developmental defects of the appendix.  
Polski przegl. chir. 31 no.10:1105-1108 Oct 59.

1. Z III Kliniki Chirurgicznej Sz. A. M. w Bytomiu Kierownik:  
prof. dr M. Trawinski.  
(APPENDIX, abnorm.)

PRECHT, Zbigniew

Intercostal diaphragmatico-abdominal hernia. Polski przegl. chir.  
31 no.6:697-699 June 59.

1. Z III Kliniki Chirurgicznej Sz. A. M. w Bytomiu Kierownik: prof.  
dr M. Trawinski.  
(HEMIA DIAPHRAGMATIC, compl.)

PRECHT, Zbigniew (Sosnowiec, ul. Stalina 7, m.1)

Case of polyposis of the colon; excision of the colon, cure.  
Polski przegl. chir. 26 no.7:641-647 July 54.

1. Z Oddzialu Chirurgicznego Szpitala Miejskiego nr 2 w Sosnowcu.  
Ordynator: prof. dr med. M. Trawinski.  
(COLON, neoplasms, polypi, surg.) (POLYPI, colon, surg.)

PRECHT, Zbigniew

Case of abdominal actinomycosis. Polski przegl. chir. 28 no.  
3:295-300 Mar 56.

1. Z Oddzialu Chirurgicznego Szpitala Miejskiego Nr 2 w  
Sosnowcu Kierownik: prof. dr. M. Trawinski, Sosnowiec, ul.  
Stalina 7 m. 1.

(ABDOMEN, diseases,  
actinomycosis (Pol))  
(ACTINOMYCOSIS,  
abdom. (Pol))

PRECHT, Zbigniew

Appendicitis of the double appendix. Polski przegl. chir.  
28 no.3:301-302 Mar 56.

1. Z II Kliniki Chirurgicznej Slaskiej A.M. w Zabrzu  
Kierownik: prof. dr. M. Trawinski, Sosnowiec, ul. Stalina  
7 m. l.

(APPENDIX, abnormalities,  
duplication with appendicitis (Pol))

(ABNORMALITIES,  
duplication of appendix with appendicitis (Pol))

(APPENDICITIS, complications,  
duplication of appendix (Pol))

PRECHT, Zbigniew

A case of symptomatic traumatic rupture of the diaphragm complicated by a secondary strangulation of the intestine in the pleural cavity. Polski przegl. chir. 28 no.2:203-206 Feb 56.

1. Z II Kliniki Chirur. Slaskiej A. M. w Zabru. Kier.:  
prof. dr. M. Trawinski Sosnowiec, ul. Stalina 7 m. 1.

(DIAPHRAGM, rupt.  
traum., with strangulation of intestine in  
pleural cavity.

(WOUNDS AND INJURIES  
diaphragm rupt., causing strangulation of intestine  
in pleural cavity.  
(INTESTINAL OBSTRUCTION, etiol. and pathogen.  
strangulation in pleural cavity caused by traum.  
diaphragmatic rupt.

Preci, Gvdo

Yugoslavia/Nuclear Physics - Nuclear Engineering and Power, C-8

Abst Journal: Referat Zbir - Fizika, No 12, 1956, 34145

Author: Preci, Gvdo

Institution: None

Title: Development of Power Needs and Capabilities of Power Production in Yugoslavia; Prospectives of Utilization of Nuclear Energy

Original Periodical: Elektroprivreda, 1955, 8, No 6, 329-334; Serbian; French and English resumes

Abstract: The author estimates the power requirements of Yugoslavia up to the year 2000, when, by his estimate, it will amount to approximately  $510 \times 10^{12}$  kkai. The author thinks that starting with 1975 there will be a need for the utilization of atomic energy, for by this time the existing power resources will prove inadequate.

PRECECHTEL, A.

The beginnings of Czechoslovakian otorhinolaryngology. Cesk.  
otolaryng. 12 no.6:322-329 D'63.

Age factors in fertility in women and their relation to the  
development of otosclerosis. Ibid:330-335

\*

DEDO, Andrzej, dr. inz.; JASIENSKI, Zdzislaw, dr. inz.; PRUCET, Witold, dr. inz.

Examination of slip phenomena under the electron microscope. Rudy  
i metale 10 no.1:13-16 Ja '65.

IR 57, 2.

A prospective plan for the electric industries of Yugoslavia.

p. 461 (Elektroprivreda. Vol. 10, no. 10, Oct. 1957. Beograd, Yugoslavia)

Monthly Index of East European Acquisitions (EMI) EC. Vol. 7, no. 2,  
February 1958

PRECI, G.

The role of the electric-power supply in the prospective development of the  
aluminum industry in Yugoslavia. p. 185.  
(Elektroprivreda, Vol. 10, no. 4, Apr. 1957.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

PRECI, Gyido, inz.

Economic indexes of the Yugoslav power system. Elektroprivreda  
16 no.1:3-6 Ja '63.

1. Clan Redakcionog odbora, "Elektroprivreda."

PRECI, Gvido, ing.

Electric power economy of Yugoslavia. Alm metal ind 67-84 '60.

1. Savetnik Saveznog zavoda za privredno planiranje

PRECI, G.

Development of the need for and the possibilities of power production in Yugoslavia and prospects for the application of nuclear energy. p. 329.  
ELEKTROPRIVREDA. (Kajednica jugoslovenske elektroprivrede) Beograd. Vol. 8, no. 6, Nov./Dec. 1955.

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 5, no. 12, December 1956.

PRKCI, G.

11th Special Session of the World Power Conference. p. 313.

(ELEKTROPRIVREDA. VOL. 10, No. 7, July 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Acquisitions (EHAL) Lc. Vol. 6, No.10, October 1957. Uncl.

PHECKOVA, M.Z., sestra

A medical nurse in a nursery. Pediat. listy, Praha 9 no.3:164-  
166 May-June 54.

1. Kojenecky ustav v Ostrave-Zabreku  
(INFANT WELFARE  
nurseries in Czech., work of med. nurse)  
(NURSING PROFESSION  
work in nursery)

PRECLIK, Bohuslav

Twenty years of the cellulose and paper industry in liberated  
Czechoslovakia and its further development. Papir a celulosa  
20 no.1:1-3 Ja '65.

1. Deputy Minister of Chemical Industry, Prague,

PRECLIK, Frantisek, inz.; VECERIK, Frantisek, inz.

Apparatus for testing glass jars. Prum potravin 15 no.12  
642-643 D '64.

1. state Inspection of Food Product Quality, Prague

CIHACEK, Frantisek; PRECLIK, Frantisek

Improvement of the quality of piano frame castings. Slevarenstvi  
11 no.1:30-32 Ja '63.

1. Orlické strojirny, Skuhrov nad Behou..

PROCESSES AND PROPERTY

CA

8

The occurrence of "agalmatolite" at Gaborn near Karibad, Karl Preclik, *Lotos* 81, 57-62 (1933).—At the base of olivine-basalt and above coarse porphyritic granite is a bed of Tertiary sand and clay; this includes the agalmatolite which consists of minute more or less parallel scales of kaolin bound together with about 17% hydrous silica. It is probable that the silica was deposited from a solution resulting from the action of post-volcanic thermal waters on the granite. The agalmatolite is used in the prepn. of refractory articles.  
P. S. Roller

COLONIAL ELEMENTS

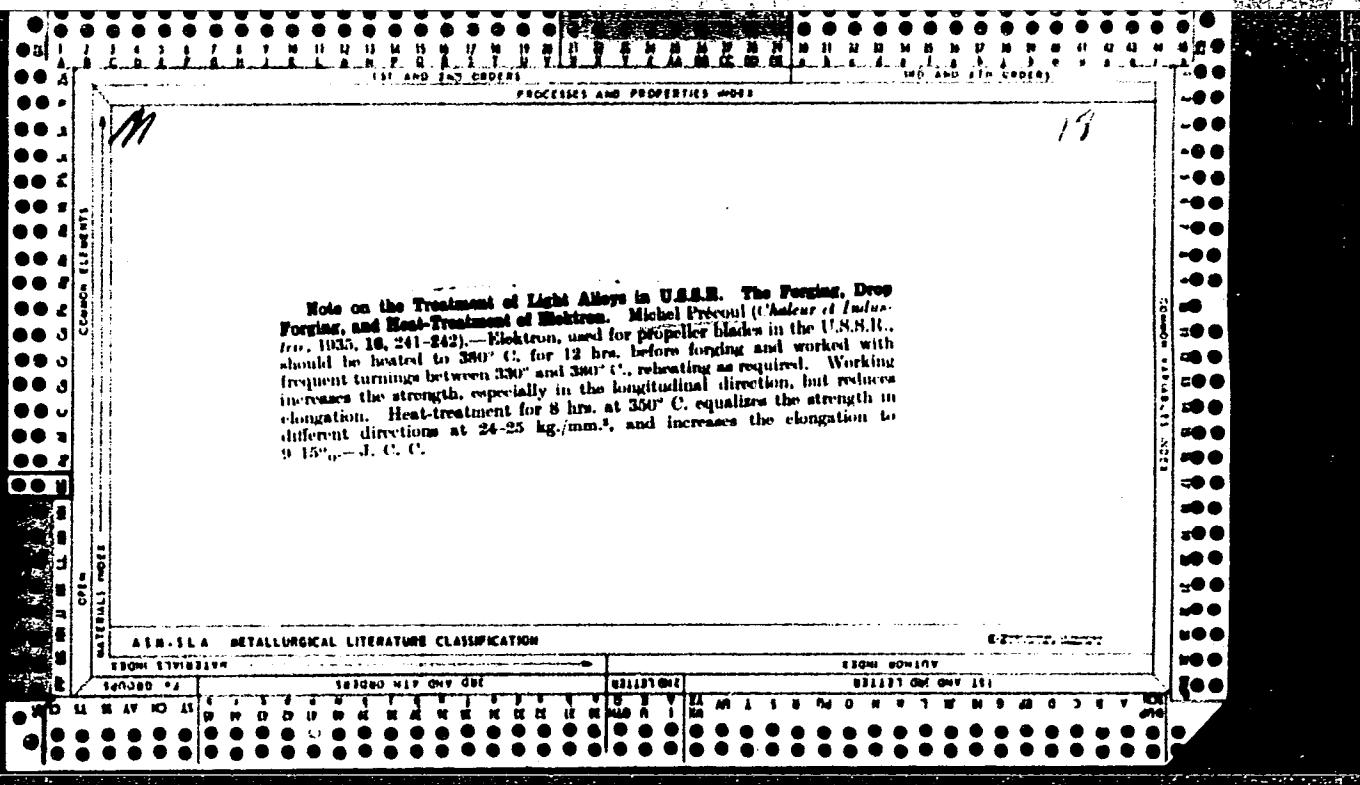
MATERIALS INDEX

ASM-LSA METALLURGICAL LITERATURE CLASSIFICATION

REF ID	SERIAL NUMBER	SERIAL NUMBER ONLY	CLASSIFICATION	EQUIVALENT CLASSIFICATION															
				0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
160089	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*✓* *10*  
Berginization of carbazole. K. J. PRASCHERS AND I. I. KRIV *Ukrain. Khim. Zhur.*, 6, (Wiss.-Techn. Tell) 244-62(1981).—The berginization of carbazole was attempted in the presence of  $\text{MoS}_2$  and of  $(\text{NH}_4)_2\text{MoO}_4$ , which had been treated with  $\text{H}_2\text{S}$ . In the 1st case the berginization took place according to the scheme: Dicyclohexane  $\rightarrow$  dimethyl(dicyclopentyl)  $\rightarrow$  naphthalenes with a single ring. In the 2nd case the carbazole decompd. to indole and a hydrocarbon with a single ring. The influence of different catalysts on the course of the reaction is also shown. G. S. S.

ASIN-SLA METALLURGICAL LITERATURE CLASSIFICATION



PRECSENYI, I.

A note on the problem of homogeneity. Acta bot Hung 15 no.1/2:  
217-219 '64.

1. Botanical Research Institute of the Hungarian Academy  
of Sciences, Vacratot. Submitted November 16, 1963.

PRECSENYI, I.

A study on growth-types in Festucetum vaginatae. Acta  
bot Hung 9 no. 3/4 405-418 '63.

1. Botanical Research Institute of the Hungarian Academy of Sciences, Vacratot.

PRECSENYI, I.

Contributions to the problem of estimating the yield of plants. In  
French. Acta bot. Hung. 5 no.3/4:425-428 '59. (EEAI 9:5)

1. Universite des Sciences Agricoles, Institut de Botanique et de  
Physiologie Vegetal, Godollo.  
(Hungary--Plants)

CAPUSAN, I., dr.; BALOIU, P.; PINTICAN, E.; PRECUP, C.; RADU, H.; SLEAM, C.;  
STERN, A.; TOMA, V.

Clinical and bacteriological data on staphylodermatitis cases observed  
in the Cluj Dermatological Clinic between 1956 and 1959. Microbiologia  
(Bucur) 6 no.1:23-24 Ja-F '61.

+

AMBRUS, I., ing.; PRECUP, E., ing.

Bleaching of dyed yarn cotton cloth and cotton-fibro blends at the  
Industria Textila mills, Lugoj. Ind text Rum 13 no.9:368-372 S '62.

1. Industria Textila, Lugoj.

PRECUF, H.

Detachable handle for a hand felling saw. p. 4. TEHNICA MECANICA.

(Asociatia Stiintifica a Inginerilor si Tehnicienilor) Bucuresti.

Vol. 3, No. 33, Feb. 1956.

So. East European Accessions List Vol. 5, No. 9 September 1956

PRECLUP, S.

- 35
- Bucharest, Pharmacie, Vol X, No 4, Apr 1952  
1. "Phenol and Its Importance in Pharmaceuticals," Pharm A. SCURTOIU, Pharm Eng V. BURVICI and Pharm A. SPRINGER; pp 193-201.
2. "Investigations in the Phenothiazine-Imidazolines in Glass Vessels. New Compounds Having an Antimicrobial Action," Prof. V. MELNIK, Prof. D. OTELIANU, Prof. Aurora NEGRIN, Prof. G. CHIRITA and Prof. Al. LAVUDIN; work performed at the Laboratory of Organic Chemistry (laboratoriul de chimie organica) of the School of Pharmacy (al facultatii de farmacie), Bucharest; English summary; pp 203-212.
3. "Contributions to the Study of the Stability of Chloral Hydrate and Soda Lusinol Solutions," Prof. Pharm. N. MUREZ, Farm. Valeriu ANTONESCU and Farm. St. MILOSEVIC; English summary; pp 213-218.
4. "On the Antituberculous Activity of Certain "Friedel-Crafts" Derivatives of the  $\alpha$ -Bromo- $\beta$ -methylbenzoic Acid and Their Salts," Prof. Dr. V. STOICA, Prof. M. VASILEVSKIY, Doctorant Coar. P. ONUROV, Dr. V. SORIC, Chemist Viorica SHARF, Chemist Tatiana SNETHERESCU, Dr. Gh. MARILISCU, Dr. En. POIESCU and Dr. A. TOPA; English summary; pp 219-227.
5. "Study of the Antituberculous Action of Certain New Nitrolic Derivatives (4-Nitrothiophene-1,1-dione)," Prof. V. MELNIK, Prof. G. LADOU, Chemist Viorica POP, Dr. D. DELEANU, Dr. M. LALIUCIU, Dr. V. STOICA, Dr. A. MORA, Dr. En. POIESCU and Chemist Rita SCHWARTZ; English summary; pp 229-233.
6. "Study of certain Derivatives for Various Galenic Substances with a Protonated Action," Prof. V. CIOICA, Pharm. I. BAI, Farm. V. FILIUS, Dr. I. VIMI and Dr. S. TUDOR; work performed at the Atlantic Department (cabinetul de cercetare al C.I.T.I. Corporescu) Bucharest, Romania; pp 235-237.
7. "Contribution to the Study of the Copper Content of Animal Hides of Various Proofs," Farm. V. LIPSA and Farm. V. TUDOR; English summary; pp 239-242.

COUNTRY	:	Rumania	T
CATEGORY	:	Human and Animal Physiology, Metabolism	
ABS. JOUR.	:	RZhBiol., №.5 1959, №. 21708	
AUTHOR	:	Coja, N.; Vinti, I.; Precup, St.	
INST.	:	-	
TITLE	:	Alimentation during Pathological Pregnancy	
ORIG. PUB.	:	Obstetr. si ginecol., 1958, 6, No. 3, 207--214	
ABSTRACT	:	No abstract	

Card: 1/1

T-4

PRECULETU, Ana  
SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: --

Affiliation: --

Source: Bucharest, Comunicarile Academiei Republicii Populare Romane,  
No 4, 1961, pp 447-454.

Data: "New Contributions to the Study of the Pamphilidae Family  
and of the Cephidae (Hymenoptera, Symphita) Family in the  
Rumanian People's Republic"  
(iii)

PRECUPETU, P.

Training of personnel for light industry. p. 91.

INDUSTRIA TEXTILA. (Asociatia Stiintifica a Inginerilor si Technicienilor din Romania si Ministerul Industriei Undostre) Bucuresti, Rumania. Vol. 10, no. 3, Mar. 1959.

Monthly Lists of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959.

Uncl.

PRECUPETU, P.

Training the personnel for light industry. p.81.

INDUSTRIA USCARA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Departamentul Industriei Uscore din Ministerul Industriei Bunurilor de Consum) Bucuresti, Romania. Vol. 6, no. 3, Mar. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959

Uncl.

PRECUPETU-ZAMFIRESCU, Ana

Some new data on the biology and characteristics of the Oryssidae family (Hymenoptera-Tenthredinoidea) rarely met in Rumania.  
Comunicarile AR 13 no.3:297-301, Mr '63.

IONESCU, M.A.; PRECUPETU-ZAMFIRESCU, Ana; NICULESCU, Floriana

Studies on the parasites and predators of Pyrausta  
nubilalis (Hubner), Lepidoptera-Pyralidae. Studii  
cerc biol s. zool 16 no. 2:73-85 '64.

1. Laboratory of Animal Ecology, "Traian Savulescu"  
Institute of Biology. 2. Corresponding Member of the  
Rumanian Academy (for Ionescu).

PRECUPETU-ZAMFIRESCU, Ana

New data on the study of the Megalodontidae (Hymenoptera, Tenthredinoidea)  
family in Rumania. Comunicarile AR 13 no.1:33-38 Ja '63.

1. Comunicare prezentata de M.A. Ionescu, membru corespondent al  
Academiei R.P.R.

V. A. A

Rumania/ General Division. General Problems. Philosophy. -1  
Methodology

Abs Jour : Ref Zhur-Biologiya, No 2, 1958, 4604  
Author : Preda  
Inst :  
Title : Determination of Sex in Plants and  
Animals  
Orig Pub : Natura (Romin.), 1957, 9, No 2, 71-80  
  
Abstract : No abstract

Card 1/1

RUMANIA/Radio Physics - Radiation of Radio Waves. Transmission  
Lines and Antennae

I

Abs Jour : Ref Zhur - Fizika, No 8, 1959, 18579

Author : Preda, Al.

Inst : -

Title : Electromagnetic Field in Wave Guides

Orig Pub : Telecommunicatii, 1958, 2, № 4, 151-161

Abstract : The Maxwell equations are solved and formulas are obtained for the electromagnetic field in a lossless wave guide. Methods of measuring the field in wave guides are described. Results of certain experiments, carried out in the range 2,000 -- 3400 megacycles are given.

Card 1/1

- 118 -

PALEKH, Alexandre

- 70
- Bucharest, Editura cu Publ. Vol. LIV, No. 5, May 32  
pp 34.
1. "Productive Varieties of Apples," Professor S. JONES
  2. "Mechans for High Farm Yield," M. V. KARLINSKI  
date of technical science and scientific director of  
the IAEA International Institute de Génie Rural et  
Agricole, p. 4.
  3. "Producing Livestock Breeds," Prof. E. BILINSKI  
10. Secretary of the IAEA International Institute de Génie Rural et  
Agriculture Research Institute, p. 5.
  4. "Forests and Orchards on Fated Soil," Professor  
Dr. H. NEUDI; p. 5.
  5. "Utilization of Unmanufactured Land Resources," USSR T. S.  
KIRILOV; pp 5-7.
  6. "The Psychology of Life," I. CIVIL, Psychologist, and assistance  
E. GORODSKII; pp 8-11.
  7. "Plastic Film Processes in Geod. Survey," Dr. Eduard  
KUHN, PASTORAL, Clinical Hospital (Spinal Clinic) in  
Jindrichuv Hradec, pp 12-13.
  8. "A Few Words About Lacquers and Paints," USSR N. V.  
TOKSOV; pp 12-13.
  9. "The Model of a Liver Cell," V. V. OZOLIN, Institute of  
cellular biology of the USSR Academy of Sciences [Russian  
Institute of Cellular Biology of the USSR Academy of Sciences]  
pp 13-14. Author A. S. KUZNETSOV.
  10. "Basic Science," Eng. Alexander ZUBOV; pp 14-15.
  11. "Notes from the Entire World" (Bulgaria), pp 20-21.
  12. "The Major Biophysical in Biophysics," Professor  
MAUER; pp 22-23.
  13. "Faction -- The Co-operative Combiner," Dr. N. N. KIRILOV  
Institute of Economics (Institutum Agronomie), Sudetian  
pp 24-25.

~~Alexandru~~  
~~Sotinca~~ (in caps); Given Names

Country: Romania

Academic Degrees: Engineer

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, No 5, 1961, pp 28-29.

Data: "Miniaturization."

PREDA, Alexandru, ing.

Background noise, a problem of specialists. St si Teh Buc  
14 no.5:18-19 My '62

PREDA, D.

Tectonic position of the Hercynian-Cimmerian orogeny of Northern Dobruja in the frame of the regional geologic structure. p. 23.

ANALELE ROMANO-SOVIETICE. SERIA GEOLOGIE-GEOGRAFIE. Bucuresti, Romania  
Vol. 12, no. 2, Apr./June 1959.

Monthly List of East European Accessions (EEAI) 1G, Vol. 9, No. 1, January 1960.

Uncl.

PREDA, D.M. (Rumyniya)

Tectonic position of the Hercynian and Cimmerian orogen in  
Northern Dobruja in regional geologic boundaries. Mat.Karp.,  
Baik.assots. no.1:90-117 '60. (MIRA 14:12)  
(Dobruja--Geology, Structural)

Preda, Elena

ROMANIA

CONSTANTIN, I., MD; RUMI, Elena, MD; MIHAI, Florica, MD.

Endocrinological Section of State hospital No 9, "Prof. Gh. Marinescu" (Serviciul de Endocrinologie al Spitalului de Stat No 9, "Prof. Gh. Marinescu"), Bucharest - (for all)

Bucharest, Vitata Medicala, No 3, 1 Feb 63, pp 191-195.

"Intravenous Use of Corticotropine (ACTH) in Determining the Functional Reserve of the Cortico-superrenal. (Resistance to corticotropin. Accidents produced by corticotropin.)"

(3)

PREDA, Elena

PARHON-STEFANESCU, Constanta, (Lecturer); PREDA, Elena; CHERCIULESCU, F.;  
MIIU, Florica

Contributions to the study of the biological features of dementia  
sensibilis. Rumanian M. Rev. 2 no.1:42-45 Jan-Mar 58.  
(PSYCHOSES, SENSIBLE, metab.  
biol. factors)

PARHON-STEFANESCU, C.,; PREDA, Elena,; MIIU, Florica.

Cerebral metabolism in relation to changes in the body fluids.  
Bul stiint., sect. med. 7 no.4:1209-1242 Oct-Dec 55.

(BRAIN, metabolism  
glucides & minerals, in normal & hyperthyroid dogs)  
(CARBOHYDRATES, metabolism  
brain, in normal & hyperthyroid dogs)  
(HYPERTHYROIDISM, experimental  
eff. on glucide & mineral metab. of brain, in dogs)

GREAVU, V., ing.; PREDA, Gh., ing.

Possibilities of using radioactive isotopes in the textile industry. Ind text Rum 12 no.6:225-226 Je '61.

PREDA, Gh., ing.

"Utilization of radioactive isotopes in the mining industry" by  
Simon Liboslav. Reviewed by Gh. Preda. Rev min 14 no.9:422 S '63.

PREDA, Gh., lector ing.

Possibilities of utilization of radioactive isotopes in the  
textile industry. Ind text Rum 14 no.11:534 N°63

R/009/60/000/005/002/003  
A124/A026

AUTHORS: Preda, Gheorghe; Dumitrașcu, Stefan; - Engineers

TITLE: Locomotives With Nuclear Propulsion /9

PERIODICAL: Metalurgia și Construcția de Mașini, 1960, No. 5, pp. 436 - 439

TEXT: Subject article deals with the possibilities of driving a locomotive with nuclear power. The authors first present a brief description of a nuclear reactor and the heat transmitting installation. Such a nuclear reactor can also be used for the propulsion of locomotives by a piston engine and a steam or gas turbine. The last type locomotive seems to be the most advantageous, since it has a high efficiency and does not need a water reserve. Figure 4 presents a nuclear power installation for locomotives described in a Soviet paper. This installation is equipped with a homogeneous nuclear reactor, which contains uranium-235 in the form of a uranyl sulfate-heavy water solution. The heat is taken over by common water flowing through 10,000 tubes located in the active zone of the reactor. The water is transformed into saturated steam driving a turbine, which is coupled by a reducer to an electric generator. The electric current feeds the electric motors, which finally drive the locomotive. The concrete pro-

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Card 1/2

Locomotives With Nuclear Propulsion

R/009/60/000/005/002/003  
A124/A026

tecture screen weighs 200 tons. The thermal power of the reactor has 30,000 kw. The locomotive including the tender, which carries the cooling installation, has a length of 48 m and weighs 327 tons. The authors then describe a steam turbine - nuclear locomotive recommended in the USA (Fig. 3). Because of the frequent stops of the nuclear chain reaction, a phenomenon called "xenon poisoning" is being produced. Until this poisoning does not disappear, the reactor can not be restarted. The deficiencies of the "xenon poisoning" have been excluded by using powerfully enriched nuclear fuels, thus guaranteeing a surplus of reactivity. In case of heterogeneous reactors cooled by closed-circuit gases, a xenon-separating installation can be used. According to calculations, the autonomy of nuclear driven locomotives is approximately 46 times higher than that of coal fueled locomotives. A nuclear driven locomotive can travel 30,000 km without being refueled. There are 6 figures and 4 references: 2 Soviet, 1 Rumanian and 1 French.

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